

Appl. No. 09/939,095
Amdt. dated August 18, 2005
Reply to final Office action of April 5, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method, comprising:
requesting at least a portion of an application screen from a database and associated business rule objects in response to a request for an application screen;
identifying a returned application screen, wherein the returned application screen is different from the requested application screen if the requested application screen cannot be provided based on at least one of said business rule objects; and
providing the returned application screen to the a presentation object.
2. (Previously presented) A method as in claim 1, further comprising identifying the application screen using a response table that comprises a display library.
3. (Previously presented) A method as in claim 2, wherein identifying the returned application screen further comprises formatting the returned application screen using the display library.
4. (Previously presented) A method as in claim 1, wherein identifying the returned application screen comprises formatting the returned application screen.
5. (Previously presented) A method as in claim 1, wherein identifying the returned application screen comprises using an interpreter to identify the returned application screen.

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6. (Previously presented) A method as in claim 1, further comprising linking the presentation object and the database and associated business rule objects via a request and response table.
7. (Previously presented) A method, comprising:
 - receiving a request for a user screen from a presentation object;
 - receiving a user screen response from a database and business rules object, wherein the user screen response comprises a different user screen than requested when the requested user screen cannot be provided based on said business rules object;
 - identifying the user screen response that has been returned; and
 - formatting the user screen response for display through the presentation object based on the identified user screen response.
8. (Previously presented) A method as in claim 7, wherein identifying the user screen response comprises using a response table that contains display formatting components.
9. (Previously presented) A method as in claim 8, wherein formatting the user screen response comprises using the display formatting components returned from the response table.
10. (Previously presented) A computer system, comprising:
 - a presentation object that requests a user screen and data from a database and business rules object, wherein the database and business rules object comprises rules that determine if the requested user screen can be returned; and
 - a response table to translate a response user screen from the database and business rules object and to provide display properties for the response user screen when a different user screen is returned than was originally requested;
 - a formatting object to format the user screen and combine it with requested data for display;

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wherein the different user screen is returned if the requested user screen cannot be returned.

11. (Original) A system as in claim 10 wherein the presentation object is a networked content server.

12. (Original) A system as in claim 10 wherein the formatting object formats the user screens using a markup language.

13. (Previously presented) A computer system, comprising:

a request index template to receive a screen request from a computer application and retrieve a request template from a request table to format a database query based on the screen request;

a business rules engine and database to fulfill the database query by returning a display screen and related non-cached data;

a request handler, coupled to the request index template, to receive the database query, to submit the database query to the business rules engine and database, and to receive a display screen and related data in response to the database query;

a response table associated with the request handler, wherein the request handler matches the display screen received to the appropriate screen response template from the response table; and

a template assembler to assemble a formatted display screen based on the screen response template, the display screen received, and the related non-cached data ;

wherein the business rules engine and database comprises rules that govern whether the requested display screen can be returned; and

wherein a different display screen is returned when the requested display screen cannot be returned.

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14. (Original) A system in accordance with claim 13 wherein the template assembler further comprises a caching template assembler to make a second request to the business rules engine and database for data which will be stored in a template caching unit.

15. (Original) A system in accordance with claim 13 wherein the screen request is for a web page.

16. (Original) A system in accordance with claim 13 wherein the request index template, the request and response tables, and the request handler are located within a presentation content server.

17. (Previously presented) A method, comprising:
 receiving a screen request from a computer application;
 retrieving a request template corresponding to the screen request using a request index template;
 preparing a database query based on the request template;
 submitting the database query to a business rules object and database;
 returning a screen and associated non-cached data from the business rules object and database in response to the database query, wherein the screen returned is different from the screen requested if the screen requested cannot be provided based on rules stored in the business rules object and database;
 identifying a response template for the screen returned; and
 assembling a formatted display screen by combining the response template, and the screen returned.

18. (Previously presented) A method as in claim 17, further comprising displaying the screen by combining the non-cached data from the database and formatting components loaded with the response template.

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19. (Previously presented) A method as in claim 17, further comprising storing the computer application on a content and presentation server.

20. (Previously presented) A method as in claim 17, further comprising making a second request to the business rules object and database to obtain data for the screen and caching the data from the second request.

21. (Previously presented) A method, comprising:
requesting an application screen;
examining a business rule to determine whether the requested application screen can be provided;
receiving the requested application screen if the business rule permits the requested application screen to be provided; and
receiving an alternate application screen if the business rule does not permit the requested application screen to be provided.

22. (Previously presented) The method of claim 21, further comprising:
loading a rendering library template; and
combining the received application screen and the rendering library template to create an end-user application screen.

23. (Previously presented) The method of claim 21, further comprising receiving data associated with the requested application screen.

24. (Previously presented) The method of claim 23, further comprising:
loading a rendering library template; and
creating an end-user application screen based on the received application screen, the data, and the rendering library template.

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25. (Previously presented) A computer system, comprising:
a database comprising an application screen and a substitute application screen;
a business rules object comprising a business rule; and
a request engine adapted to send a request for the application screen to the business rules object;
wherein the business rules object responds to the request for the application screen by providing the requested application screen if the business rule permits access to the application screen; and
wherein the business rules object responds to the request for the application screen by providing the substitute application screen if the business rule does not permit access to the application screen.
26. (Previously presented) The computer system of claim 25, wherein the request engine uses a request template to format a database query, and wherein the request for the application screen comprises the database query.
27. (Previously presented) The computer system of claim 25, further comprising a presentation that uses a response template to format an end-user application screen and that displays the end-user application screen.
28. (Previously presented) The computer system of claim 27, wherein the end-user application comprises the application screen.
29. (Previously presented) The computer system of claim 27, wherein the end-user application comprises the substitute application screen.
30. (Previously presented) The computer system of claim 27,
wherein the database further comprises application data; and
wherein the end-user application screen comprises the application data.